

CLAIMS

- 1           1.     A hoist for transfer of cargo containers to and from vehicles
- 2     comprising in combination with a cargo container and a truck having a bed for
- 3     supporting said containers to travel thereon, the hoist having:
- 4           a loadspreader having vertical engaging hooking means for securing said
- 5     cargo container thereto;
- 6           means for supporting said loadspreader for said truck to drive said
- 7     container parallel under said loadspreader;
- 8           a plurality of links of equal pivot length, connecting said loadspreader to
- 9     said support means to form a parallelogram linkage to swing said loadspreader
- 10    substantially horizontally up and down;
- 11          cable and winch means for latching said loadspreader up and for releasing
- 12    said loadspreader when the weight is lifted off of said winch;
- 13          biasing means to reel up slack cable to hold the load lifted after being
- 14    lifted;
- 15          a tab on the front of said bed to engage the forward end of said container
- 16    when aligned with said bed to swing up said links to lift said container;
- 17          vertically engaged hooking means for connecting said container to said
- 18    loadspreader when aligned therewith for swinging said loadspreader up to lift and
- 19    hold said container to clear said truck bed so the truck can leave the container on
- 20    the loadspreader held lifted by said winch; and

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21 means for releasing said hook means when the weight of said container is  
22 relieved therefrom as when the truck is pushing the loadspreader with the  
23 container.

1 2. A hoist as in claim 1, said loadspreader having depending legs  
2 integral therewith to extend down to pivot to swing the loadspreader on said links  
3 to conserve head room.